meitav-tec

FCC_01 - Free Cooling Controller

Wall mount, 230VAC controller, for Cooling with outside fresh air – saves energy and refreshes room air.
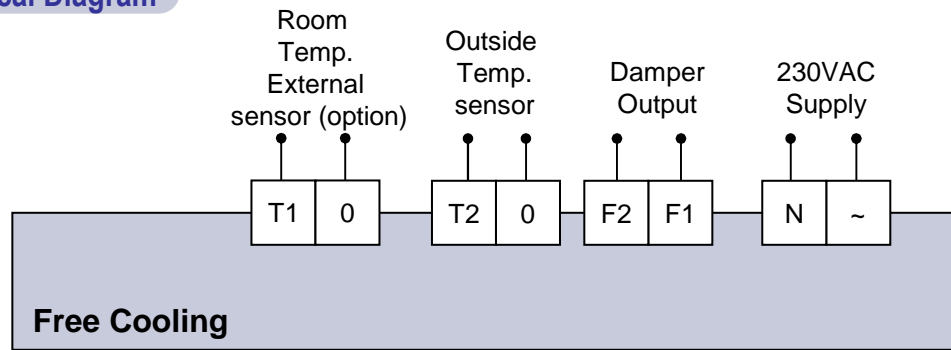
General

Meitav-tec's 'Free Cooling' controller offers a simple, energy saving solution to control room temperature. 'Free Cooling' is virtually a Cool Only thermostat, which serves as a complementary to an existing HVAC control system. The thermostat is designed to take advantage of natural resources to cool room temperature; if outside temperature is cooler than ambient then the Free Cooling thermostat sends a signal to open a window or a damper to let fresh, cool air come in, and cool the room.

Features

- Wall mount – 230VAC thermostat

- Open / Auto / Close switch (for damper, fan or window)

- External / Internal room sensor – jumper selectable

- Outside temperature sensor input

- Can work as "stand-alone" or next to other HVAC system

- Difference between ambient and room temperature, to open the window, is jumper configured. (Default is 1°C)

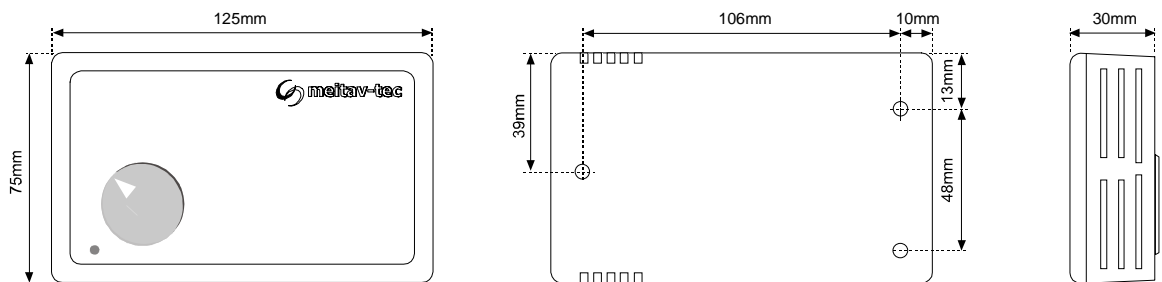www.meitavtec.Com | Email: info@meitavtec.com | Tel: +972 (3) 962 6462

Electrical Diagram

Room Temp. External sensor (option)		Outside Temp. sensor		Damper Output		230VAC Supply	
T1	0	T2	0	F2	F1	N	~

Free Cooling

Specifications

Temperature Range	10°- 30℃
Weight	0.150 Kg
Scale	℃
Color	White
Accuracy	±1℃
Plastic	PC/ABS
Flammability	UL94V-0
Temperature Input	Thermistor 50K@25℃

WP1 – Decorative Back plate adaptor

Dimensions: 132x84x7mm

Dimensions

125mm
75mm

106mm   10mm   30mm
39mm   13mm   48mm

Accessories

Part Number	Description
TS01	Temperature Sensor - 80 cm Cable
RS01	Temperature Sensor into decorative box
RS02	Average Temperature Sensor into decorative box
OS01	Outside Remote Temperature Sensor
WP1	Decorative back plate for TED thermostat series